PRODUCER EXPECTATIONS - HPAI INFECTED PREMISES WATER-BASED FOAM DEPOPULATION OF FLOOR BIRDS

The Infected Premises (IP) is responsible for choosing the method of depopulation and carrying out the depopulation in a manner consistent with American Veterinary Medical Association (AVMA) Guidelines for the Euthanasia of Animals. A veterinarian with the Iowa Department of Agriculture (IDALS) or United States Department of Agriculture (USDA) must witness the depopulation activity. The producer is responsible for providing staff to carry out the depopulation.

The use of water-based foam is an AVMA approved depopulation method for floor birds. The producer is responsible for:

1. STAFFING: It is the IP's responsibility to provide adequate staffing to properly and safely operate the KIFCO Avi-FoamGuard Foamer (foamer). Staffing is dependent on the size and complexity of the site.
    a. The IP must plan for a minimum:
        i. 1-2 people for prepping
        ii. 3-4 people minimum for penning
        iii. 5-6 people to foam the birds
        iv. 1-2 people to clean and disinfect (C/D) the equipment
    b. Note that the people who prep the barns may be available to do C/D later in the operation dependent on size and complexity of the site.
    c. IP must provide their staff with the appropriate personal protective equipment (PPE).
    d. Staff assigned to operate the foamer must review the operating manual prior to operation.
    e. Staff must always utilize the buddy system when using the foamer; water-based foam produces C02 and is a significant slip/trip hazard.
    f. A firefighter will be designated by IDALS or USDA to deliver the foamer and to operate the pump portion of the foamer.
2. PREPPING: The IP must adequately and safely prepare their barns for foaming.
    a. Raise or remove water and feed lines in the barns.
    b. Remove equipment that may be damaged by the foaming or that may damage the foamer.
    c. Shut off all electrical power to the building(s) prior to foaming to prevent electrocution risk.
    d. Ensure adequate lighting, especially for night operations both inside and outside the barns. It may be necessary to provide solar or battery-operated lighting. If site conditions are not safe for responders, depopulation will halt.
    e. The IP must have an alley or aisle down the center of each barn free of obstacles, such as equipment and poultry, that is at least 8ft wide and at least 8ft tall for to provide adequate clearance to operate the foamer.
    f. The foamer is not suitable for operation in layer barns or barns containing coops, cages, racks, etc. that would impede the movement of the foamer.
    g. Water-based foam will reach 4 to 6 feet in height and may take up to 24 hours to dissipate.
3. PENNING: The IP must properly and securely pen, crowd, or confine their birds prior to foaming.
    a. Humanely pen, crowd, or confine birds to one end of the barn.
    b. Barriers used to pen the birds must be solid and taller than the poultry to keep foam adequately contained and to cover the birds.
    c. Secure barriers to prevent falling or tipping and to keep poultry from escaping.
    d. Do not use staff to hold barriers in place during foaming.
4. WATER SUPPLY: The IP must provide adequate, high-quality water to properly operate the foamer.
    a. Secure an adequate, continuous amount of clean, high quality water source, including but not limited to a municipal water main, a tanker truck, or a drop tank.
    b. If the water source is being brought on to the dirty side of the IP, it MUST be C/D off the IP.
    c. A drop tank can be placed at the C/D line for tanker trucks to empty into the tank without the trucks entering the IP. The drop tank must be C/D before being removed from the site.
    d. A continuous supply of water is necessary to ensure efficient operation of the foamer.
    e. Any water brought into the IP not used for foaming must be purged at the site following DNR environmental regulations.
    f. The foamer uses approximately 4800 gallons of water and 48 gallons of foam solution in a 200ft x 40ft sized barn creating 3ft of foam depth.